

In the Claims:

Claims 1-4 (cancelled).

5. (currently amended) A power supply circuit for generating a supply voltage based on an input constant voltage and supplying the supply voltage to a load, said power supply circuit comprising:

a delay circuit configured to delay the input constant voltage;

an output circuit configured to generate the supply voltage from the input constant voltage delayed by the delay circuit and supply the supply voltage to said load; and

a bootstrap circuit configured to heighten an input impedance of the output circuit,
wherein said power supply circuit substantially reduces shock noise.

6. (previously presented) The power supply circuit claimed in claim 5, wherein a current supplied to an input of the output circuit from the bootstrap circuit is set to a current value to drive the output circuit.

7. (previously presented) The power supply circuit claimed in claim 5, wherein the bootstrap circuit includes a circuit component which has the same electrical characteristic as the output circuit and is connected to the output in series, and supplies a current to an input of the output circuit, said current having the same magnitude as a drive current for the circuit component.

8. (previously presented) The power supply circuit claimed in claim 5, wherein the delay circuit comprises:

a resistance serially provided between an input terminal to which the input constant voltage is applied and the output circuit; and

a capacitance element provided between a connection point of said resistance and the output circuit and a base potential terminal serving as a base potential and delaying the input constant voltage.

9. (previously presented) The power supply circuit claimed in claim 5, wherein, when the supply voltage is supplied to a plurality of loads, the delay circuit and the output circuit and the bootstrap circuit are provided for each of the loads.